

## Composition for organic EL element and method of manufacturing organic EL element

Publication number: CN1220404

Publication date: 1999-06-23

Inventor: KIGUCHI HIROSHI (JP); KANBE SADAO (JP); SEKI SHUNICHI (JP)

Applicant: SEIKO EPSON CORP (JP)

Classification:

- International: C09K11/06; H01L51/00; H01L51/40; H01L51/50; H05B33/10; H05B33/14; H01L27/32; H01L51/30; C09K11/06; H01L51/00; H01L51/05; H01L51/50; H05B33/10; H05B33/14; H01L27/28; (IPC1-7): G02F1/00

- European: H05B33/14; C09K11/06; H01L51/00A2B2B; H01L51/50E; H05B33/10

Application number: CN19981017263 19980716

Priority number(s): JP19970191681 19970716; JP19970204697 19970730

Also published as:

EP0892028 (A2)

US6843937 (B1)

EP0892028 (A3)

EP0892028 (B1)

DE69821554T (T2)

[more >>](#)

[Report a data error here](#)

Abstract not available for CN1220404

Abstract of corresponding document: **EP0892028**

A composition for an organic EL element which can form a high precision pattern in a simple manner and in a short time and a method of manufacturing the organic EL element are disclosed. By using the composition, optimum film design and luminescence characteristic can be easily obtained, and an adjustment of a luminescence efficiency can also be easily performed. The composition for an organic EL element comprises a precursor of a conjugated organic polymer compound for forming at least one luminescent layer (106), (107), (108) having a certain color and at least one kind of fluorescent dye for changing the luminescence characteristic of the luminescent layer. The luminescent layer is made from a pattern formed by an ink-jet method. As for the precursor, a precursor of PPV, PPV derivative or the like is preferably used. Further, it is preferable that the composition for the organic EL element satisfies at least one of the conditions including a contact angle of 30 to 170degrees with respect to a nozzle surface of a nozzle provided in a head of an ink-jet device used for the ink-jet method for discharging the composition, a viscosity of 1 to 20cp and a surface tension of 20 to 70dyne/cm.

Data supplied from the **esp@cenet** database - Worldwide